

# Patent [19]

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## [54] AIR CLEANER

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## [57] ABSTRACT

**PROBLEM TO BE SOLVED:** To provide an air cleaner using a photocatalyst, having a sufficient cleaning capacity and capable of being set even in a narrow space.

**SOLUTION:** This air cleaner 1 is provided with a rectangular parallelepipedic casing 2 long in one direction and the photocatalyst carrier 5 and dust collecting filter 3 arranged in the longitudinal direction. A suction port 11 and a blowoff port are formed on the upper face 27 in a line. A practically U-shaped air duct F extending from the suction port 11 to blowoff port is demarcated inside. The dust collecting filter 3 is disposed below the suction port 11, an air fan 41 is disposed below the filter and a pair of photocatalyst carriers 5 are arranged below the blowoff port with a light source 6 in between. A wind direction control member 8 is fixed to the blowoff port to direct the air current backward. Consequently, the air cleaner is appropriately set on the rear tray of an automobile for riding.

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